

Name: \_\_\_\_\_

Date: \_\_\_\_\_

### FOIL and Factor pop quiz (version 7)

FOIL the expressions shown below:

1.  $(x + 1)(x - 3)$

$$x^2 - 2x - 3$$

2.  $(x - 2)(x - 7)$

$$x^2 - 9x + 14$$

3.  $(x - 2)(x + 6)$

$$x^2 + 4x - 12$$

4.  $(x + 3)(x - 2)$

$$x^2 + x - 6$$

5.  $(x + 6)(x - 4)$

$$x^2 + 2x - 24$$

**Factor the expressions shown below:**

6.  $x^2 - 4x - 12$

$$(x + 2)(x - 6)$$

7.  $x^2 - 14x + 48$

$$(x - 6)(x - 8)$$

8.  $x^2 - 4$

$$(x + 2)(x - 2)$$

9.  $x^2 - x - 30$

$$(x - 6)(x + 5)$$

10.  $x^2 + 3x - 4$

$$(x - 1)(x + 4)$$